

## INTERNATIONAL SEARCH REPORT

International Application No  
PCT/FR2004/050369A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 E06B3/663 E06B3/54

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)  
IPC 7 E06B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 533 314 A (KUNERT HEINZ) 9 July 1996 (1996-07-09)  column 6, line 60 - column 7, line 15 column 9, line 20 - line 25 figure 9	1,2,4,6, 8,13,17, 18
X	WO 01/38680 A (LIND STEFAN ; FISCHER ARTUR WERKE GMBH (DE)) 31 May 2001 (2001-05-31) page 4, line 7 - line 13 figures	1,5,8,17
A	EP 0 314 120 A (KOLLER METALLBAU AG) 3 May 1989 (1989-05-03) figure 13	1,17
A	EP 0 918 119 A (WENDKER & SELDERS GMBH & CO NA) 26 May 1999 (1999-05-26) figure 1	1,17

☐ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

## \* Special categories of cited documents:

- \*A\* document defining the general state of the art which is not considered to be of particular relevance
- \*E\* earlier document but published on or after the international filing date
- \*L\* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- \*O\* document referring to an oral disclosure, use, exhibition or other means
- \*P\* document published prior to the international filing date but later than the priority date claimed

- \*T\* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- \*X\* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- \*Y\* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- \*Z\* document member of the same patent family

Date of the actual completion of the international search

9 December 2004

Date of mailing of the international search report

15/12/2004

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2  
NL - 2280 HV Rijswijk  
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,  
Fax: (+31-70) 340-3016

Authorized officer

Verdonck, B

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/FR2004/050369

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5533314	A	09-07-1996	DE 4300481 A1	14-07-1994
			AT 158055 T	15-09-1997
			AU 672671 B2	10-10-1996
			AU 5882494 A	15-08-1994
			BR 9403510 A	01-06-1999
			CA 2131687 A1	12-07-1994
			CN 1101488 A	12-04-1995
			CZ 9402197 A3	15-03-1995
			DE 59404012 D1	16-10-1997
			WO 9416187 A1	21-07-1994
			EP 0640169 A1	01-03-1995
			FI 944113 A	31-10-1994
			HU 67561 A2	28-04-1995
			JP 7506558 T	20-07-1995
			NO 943342 A	31-10-1994
			PL 305107 A1	09-01-1995
			ZA 9400152 A	18-08-1994
WO 0138680	A	31-05-2001	DE 29920612 U1	05-04-2001
			CN 1399702 T	26-02-2003
			WO 0138680 A1	31-05-2001
			EP 1234086 A1	28-08-2002
EP 0314120	A	03-05-1989	DE 3737081 A1	11-05-1989
			AT 67266 T	15-09-1991
			DE 3864793 D1	17-10-1991
			EP 0314120 A2	03-05-1989
EP 0918119	A	26-05-1999	DE 19751124 C1	15-04-1999
			AT 234402 T	15-03-2003
			EP 0918119 A2	26-05-1999

DESIGN AVAILABLE COPY